

SEQUENCE LISTING



<110> de la Monte, Suzanne
Wands, Jack R.

<120> Transgenic Animals and Cell Lines for Screening Drugs
Effective for the Treatment or Prevention of
Alzheimer's Disease

<130> 0609.4370002

<140> 09/964,678

<141> 2001-09-28

<150> 09/380,203

<151> 2000-04-25

<150> PCT/US98/03685

<151> 1998-02-26

<150> 60/038,908

<151> 1997-02-26

<160> 14

<170> PatentIn version 3.1

<210> 1

<211> 1442

<212> DNA

<213> Unknown

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<223> AD7c-NTP cDNA

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<221> CDS

<222> (15)..(1139)

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Asn Gly Ala Ile Ser Ala His Arg Asn Leu Arg Leu Pro Gly Ser Ser		
15 20 25		
gat tct cct gcc tca gcc tcc cca gta gct ggg att aca ggc atg tgc		146
Asp Ser Pro Ala Ser Ala Ser Pro Val Ala Gly Ile Thr Gly Met Cys		
30 35 40		
acc cac gct cgg cta att ttg tat ttt tta gta gag atg gag ttt		194
Thr His Ala Arg Leu Ile Leu Tyr Phe Phe Leu Val Glu Met Glu Phe		
45 50 60		
ctc cat gtt cag gct ggt ctc gaa ctc ccg acc tca gat gat ccc		242
Leu His Val Gly Gln Ala Gly Leu Glu Leu Pro Thr Ser Asp Asp Pro		
65 70 75		
tcc gtc tcg gcc tcc caa agt gct aga tac agg act ggc cac cat gcc		290
Ser Val Ser Ala Ser Gln Ser Ala Arg Tyr Arg Thr Gly His His Ala		
80 85 90		
cgg ctc tgc ctg gct aat ttt tgt ggt aga aac agg gtt tca ctg atg		338
Arg Leu Cys Leu Ala Asn Phe Cys Gly Arg Asn Arg Val Ser Leu Met		
95 100 105		
tgc cca agc tgg tct cct gag ctc aag cag tcc acc tgc ctc agc ctc		386
Cys Pro Ser Trp Ser Pro Glu Leu Lys Gln Ser Thr Cys Leu Ser Leu		
110 115 120		
cca aag tgc tgg gat tac agg cgt gca gcc gtg cct ggc ctt ttt att		434
Pro Lys Cys Trp Asp Tyr Arg Arg Ala Ala Val Pro Gly Leu Phe Ile		
125 130 135 140		
tta ttt ttt tta aga cac agg tgt ccc act ctt acc cag gat gaa gtg		482
Leu Phe Phe Leu Arg His Arg Cys Pro Thr Leu Thr Gln Asp Glu Val		
145 150 155		
cag tgg tgt gat cac agc tca ctg cag cct tca act cct gag atc aag		530
Gln Trp Cys Asp His Ser Ser Leu Gln Pro Ser Thr Pro Glu Ile Lys		
160 165 170		
cat cct cct gcc tca gcc tcc caa gta gct ggg acc aaa gac atg cac		578
His Pro Pro Ala Ser Ala Ser Gln Val Ala Gly Thr Lys Asp Met His		
175 180 185		

cac tac acc tgg cta att ttt att ttt att ttt aat ttt ttg aga cag	626
His Tyr Thr Trp Leu Ile Phe Ile Phe Ile Phe Asn Phe Leu Arg Gln	
190 195 200	
agt ctc aac tct gtc acc cag gct gga gtg cag tgg cgc aat ctt ggc	674
Ser Leu Asn Ser Val Thr Gln Ala Gly Val Gln Trp Arg Asn Leu Gly	
205 210 215 220	
tca ctg caa cct ctg cct ccc ggg ttc aag tta ttc tcc tgc ccc agc	722
Ser Leu Gln Pro Leu Pro Pro Gly Phe Lys Leu Phe Ser Cys Pro Ser	
225 230 235	
ctc ctg agt agc tgg gac tac agg cgc cca cca cgc cta gct aat ttt	770
Leu Leu Ser Ser Trp Asp Tyr Arg Arg Pro Pro Arg Leu Ala Asn Phe	
240 245 250	
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Phe Val Phe Leu Val Glu Met Gly Phe Thr Met Phe Ala Arg Leu Ile	
255 260 265	
ttg atc tct gga cct tgt gat ctg cct gcc tcg gcc tcc caa agt gct	866
Leu Ile Ser Gly Pro Cys Asp Leu Pro Ala Ser Ala Ser Gln Ser Ala	
270 275 280	
ggg att aca ggc gtg agc cac cac gcc cggtt att ttt aat ttt tgt	914
Gly Ile Thr Gly Val Ser His His Ala Arg Leu Ile Phe Asn Phe Cys	
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Leu Phe Glu Met Glu Ser His Ser Val Thr Gln Ala Gly Val Gln Trp	
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cca aat ctc ggc tca ctg caa cct ctg cct ccc ggg ctc aag cga ttc	1010
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35 40 45

Leu Ile Leu Tyr Phe Phe Leu Val Glu Met Glu Phe Leu His Val Gly
50 55 60

Gln Ala Gly Leu Glu Leu Pro Thr Ser Asp Asp Pro Ser Val Ser Ala
65 70 75 80

Ser Gln Ser Ala Arg Tyr Arg Thr Gly His His Ala Arg Leu Cys Leu
85 90 95

Ala Asn Phe Cys Gly Arg Asn Arg Val Ser Leu Met Cys Pro Ser Trp
100 105 110

Ser Pro Glu Leu Lys Gln Ser Thr Cys Leu Ser Leu Pro Lys Cys Trp
115 120 125

Asp Tyr Arg Arg Ala Ala Val Pro Gly Leu Phe Ile Leu Phe Phe Leu
130 135 140

Arg His Arg Cys Pro Thr Leu Thr Gln Asp Glu Val Gln Trp Cys Asp
145 150 155 160

His Ser Ser Leu Gln Pro Ser Thr Pro Glu Ile Lys His Pro Pro Ala
165 170 175

Ser Ala Ser Gln Val Ala Gly Thr Lys Asp Met His His Tyr Thr Trp
180 185 190

Leu Ile Phe Ile Phe Ile Phe Asn Phe Leu Arg Gln Ser Leu Asn Ser
195 200 205

Val Thr Gln Ala Gly Val Gln Trp Arg Asn Leu Gly Ser Leu Gln Pro
210 215 220

Leu Pro Pro Gly Phe Lys Leu Phe Ser Cys Pro Ser Leu Leu Ser Ser
225 230 235 240

Trp Asp Tyr Arg Arg Pro Pro Arg Leu Ala Asn Phe Phe Val Phe Leu
245 250 255

Val Glu Met Gly Phe Thr Met Phe Ala Arg Leu Ile Leu Ile Ser Gly
260 265 270

Pro Cys Asp Leu Pro Ala Ser Ala Ser Gln Ser Ala Gly Ile Thr Gly
275 280 285

Val Ser His His Ala Arg Leu Ile Phe Asn Phe Cys Leu Phe Glu Met
290 295 300

Glu Ser His Ser Val Thr Gln Ala Gly Val Gln Trp Pro Asn Leu Gly
305 310 315 320

Ser Leu Gln Pro Leu Pro Pro Gly Leu Lys Arg Phe Ser Cys Leu Ser
325 330 335

Leu Pro Ser Ser Trp Asp Tyr Gly His Leu Pro Pro His Pro Ala Asn
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Ser Gln Thr Pro Asp Leu Arg
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at tagctggg attacaggca tgtgcaccac gctcggtctaa ttttgtat tttttttagta 180
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<223> Beta-Actin oligonucleotide

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